ATTACHMENT 1

	FISH CONTAMINANT LEVEL								
	Generic Example 1ppm			**Portland Harbor Bass (whole body) 0.25 to 4.5 ppm (by river mile)**			**Portland Harbor Carp (whole body) 5.9 ppm (site wide (95%UCL mean))**		
	Superfund process		Compared to bkgrd in breast milk[4]	Superfund process		Compared to bkgrd in breast milk[4]	Superfund process		Compared to bkgrd in breast milk[4]
	Cancer Risk	**HQ**		**Cancer Risk**	**HQ**		**Cancer Risk**	**HQ**	
Breast-feeding Child (mother consumes 142 g/day)	2×10^{-3}	3200[(1)] 600[(2)] **2100[(3)]**	**75 times bkgrd**	5×10^{-4} to 9×10^{-3}	**525 to 9,450[(3)]**	**19 to 338 times bkgrd**	1×10^{-2}	**12,000[(3)]**	**443 times bkgrd**
Adult Fish Consumer (consumption of 142 g/day)				4×10^{-4} to 8×10^{-3}	30 to 500		1×10^{-2}	656	
Child Fish Consumer (consumption of 60 g/day)				2×10^{-4} to 3×10^{-3}	50 to 900		4×10^{-3}	1000	

[1] Assume 1 year of breastfeeding and use EPA RfD

[2] Assume 1 year of breastfeeding, 6 years of resident fish consumption and use EPA RfD

[3] Assume 1 year of breastfeeding and use ATSDR sub-chronic (2 weeks to 1 year) MRL. Recommended approach (in bold).

[4] The background concentration of PCBs in breast milk assumed for the Housatonic River site was 0.32 mg/kg-lipid compared to the concentration of 24 mg/kg-lipid estimated for the generic example of 1 ppm PCBs in fish.